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ART 34 AIDE
We claim:-

1. A composite element comprising (i) material based on wood,
5 thermoplastic polyurethane.
2. A composite element as claimed in claim 1, wherein (i) is a
wood board or particle board.
- 10 3. A composite element as claimed in claim 1, wherein (ii) is a
film or a film hinge containing thermoplastic polyurethane.
4. A composite element as claimed in claim 1, wherein the
15 thermoplastic polyurethane (ii) is based on the reaction of
(a) isocyanates with (b) compounds reactive toward
isocyanates and having a molecular weight of from 500 to
8 000 g/mol and (c) chain extenders having a molecular weight
20 of from 60 to 499 g/mol and if required, as chain
terminators, monofunctional compounds reactive toward
isocyanates, (d) catalysts and/or (e) conventional
assistants.
5. A composite element as claimed in claim 4, wherein the
25 thermoplastic polyurethane (ii) is based on the reaction of
(a) hexamethylene diisocyanate with (b) compounds reactive
toward isocyanates and having a molecular weight of from 500
to 8 000 g/mol and (c) chain extenders having a molecular
30 weight of from 60 to 499 g/mol and if required, as chain
terminators, monofunctional compounds reactive toward
isocyanates, (d) catalysts and/or (e) conventional
assistants.
6. A composite element as claimed in claim 1, wherein the
35 thermoplastic polyurethane (ii) is applied onto and/or into
the material (i) by means of injection molding.
7. A furniture carcass comprising a composite element as claimed
in any of claims 1 to 6.
- 40 8. A door comprising a composite element as claimed in any of
claims 1 to 6.

9. A film hinge based on a thermoplastic polyurethane.

10. A process for the production of a composite element as
 claimed in any of claims 1 to 6, wherein thermoplastic
 5 polyurethane (ii) is applied by means of injection molding
 onto and/or into a material based on wood, wood-like material
 and/or wood substitute material.

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